

8/7/2017

Chennai

From

The Course Coordinator
Certificate Program in basic epidemiology
Department of Community Medicine
Sree Balaji Medical College
Bharath Institute of Higher Education and Research,
Chennai

To

The Dean
Sree Balaji Medical College
Bharath Institute of Higher Education Research,
Chennai

Sub: -Permission to conduct value- added course: Certificate Program in basic epidemiology

Respected sir,

With reference to subject mentioned above, the Department of Community Medicine proposes to conduct a value- added course titled: Certificate Program in basic epidemiology

We kindly solicit your kind permission to commence the program.

Warm Regards,



Course Coordinator

CORSE FEEDBACK FORM

Date: 7/1/17

Course Title: *Basic Epidemiology*

Name: *Rajesh*

RegNo: *84*

Department: *Community Medicine*

S.NO	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very satisfied)						
1.	Objectives of the course clear to you		/			
2.	The course contents met with your expectations		/			
3.	The lecture sequence was well planned			/		
4.	The lecturers were clear and easy to understand				/	
5.	The teaching aids were effective				/	
6.	The instructors encourage interaction and were helpful				/	
7.	The level of the course				/	
(1. Very poor 2. Poor 3. Average 4. Good 5. Excellent)						
8.	Overall rating of the course:	1	2	3	4	5

Please give suggestion for the improvement of the course:

Weakness of the course:

Strength of the course:


Signature

Thank you

SREE BALAJI MEDICAL COLLEGE & HOSPITAL

CHROMPET CHENNAI -600044

Date: 8/11/2017

R. No 240/ SBMCH/2017

CIRCULAR

Notification for Value added courses offered by the Department of Community Medicine

The **Department of Community Medicine** of Sree Balaji Medical College is scheduled to offer a Value added Course on **Certificate Program in basic epidemiology** from 8/31/2017 for a period of 3 weeks. Interested students can approach the Head of Department of Community Medicine and Course Coordinator, for registration and for further details on or before 8/26/2017.

Eligibility-MBBS STUDENTS



Course Coordinator



HOD

Copy to:

Dean office

Vice Principal

Medical Superintendent

AO College

Basic Epidemiology

Course overview

course introduces the basic concepts of epidemiology and biostatistics as applied to public health problems. Emphasis is placed on the principles and methods of epidemiologic investigation, appropriate summaries and displays of data, and the use of classical statistical approaches to describe the health of populations. Topics include the dynamic behavior of disease; usage of rates, ratios and proportions; methods of direct and indirect adjustment, and clinical life table which measures and describes the extent of disease problems. Various epidemiologic study designs for investigating associations between risk factors and disease outcomes are also introduced, culminating with criteria for causal inferences. The application of these disciplines in the areas of health services, screening, genetics, and environment policy are presented. The influence of epidemiology and biostatistics on legal and ethical issues are also discussed.

Course objectives:

1. Perform exploratory data analysis using descriptive statistics.
2. Evaluate morbidity and mortality using ratios, proportions, and rates.
3. Perform direct and indirect methods of adjustment of overall rates.
4. Construct clinical life table in epidemiologic studies.
5. Recognize the assumptions associated with construction of a life table.
6. Calculate probabilities and conditional probabilities of health-related events.
7. Calculate sensitivity, specificity, and predictive values.
8. Recognize and describe the elements in the design and conduct of a randomized clinical trial, a cohort study, a case-control study, and a cross-sectional study.
9. Calculate measures of association in identifying risk factors of diseases.
10. Calculate a chi-square statistic to test the significance of a measure of association and interpret it using probability concepts.
11. Identify biases and their consequences in published literature.
12. Describe criteria for characterizing the causality of associations.
13. Recognize the presence of effect modifiers.
14. Explain the use of epidemiology in the genetics application.

15. Explain the use of epidemiology in the evaluation of screening process.
16. Describe the impact of epidemiology on national and local policy.
17. Describe the influence of epidemiology on ethical and professional issues.

Readings

This course has two required textbooks:

1. Gordis, L. (2004). *Epidemiology*. Third edition. Philadelphia: Elsevier Saunders. (The second edition is also acceptable.)
2. Pagano, M. and Gauvreau, K. (2000). *Principles of Biostatistics*. Belmont, CA: Wadsworth.

Course Duration: 30 hours

Course Coordinator: Professor /Assoc. Professor of Community Medicine

Syllabus

S.No	TOPIC	DURATION	FACULTY
1	Introduction to course	2 hours	Associate Professor of community medicine
2	Measuring Disease Occurrence	2 hours	Assist Prof Community Medicine
3	Surveillance	2 hours	Assist Prof Community Medicine
4	Infectious Disease Epidemiology	2 hours	Associate Professor of community medicine
5	Direct & Indirect Standardization	2 hours	Assist Prof Community Medicine
6	Data Sources & Secondary Analyse	2 hours	Assist Prof Community Medicine
7	Hypothesis Testing & Significance	2 hours	Assist Prof Community Medicine
8	Bias, Confounding, & Effect Modification	2 hours	Associate Professor of community medicine
9	Causation & Risk	2 hours	Assist Prof Community Medicine
10	Sampling Strategies & Descriptive Studies (Ecological, Cross Sectional, and Qualitative)	2 hours	Assist Prof Community Medicine

11	Case Control & Nested Case Control Studies	2 hours	Assist Prof Community Medicine
12	Cohort Studies & CPR Guest: Sarah Gehlert, PhD	2 hours	Associate Professor of community medicine
12	Intervention Studies	2 hours	Assist Prof Community Medicine
14	Screening	2 hours	Assist Prof Community Medicine
15	Assessment	2 hours	Assist Prof Community Medicine



**Bharath Institute of Higher Education and Research
Sree Balaji Medical College & Hospital**



Certificate

This is to certify that Mr./Ms. HALEEMA A has completed the value added course on Certificate Program in basic epidemiology conducted by Department of Community Medicine at Sree Balaji Medical College & Hospital, Chennai held during 8/31/2017 to 9/22/2017.

Dr.P.Sai Kumar MD

Vice Principal, SBMCH

Dr.Gunasekeran MS

Dean, SBMCH

CORSE FEEDBACK FORM

Date: 6/7/17

Course Title: *BASIC EPIDEMIOLOGY*

Name: *Halema A.*

RegNo: *46*

Department: *COMMUNITY MEDICINE*

S.NO	Particulars	1	2	3	4	5
(1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very satisfied)						
1.	Objectives of the course clear to you			✓		
2.	The course contents met with your expectations			✓		
3.	The lecture sequence was well planned			✓		
4.	The lecturers were clear and easy to understand				✓	
5.	The teaching aids were effective				✓	
6.	The instructors encourage interaction and were helpful				✓	
7.	The level of the course				✓	
(1. Very poor 2. Poor 3. Average 4. Good 5. Excellent)						
8.	Overall rating of the course:	1	2	3	4	5

Please give suggestion for the improvement of the course:

to include interesting topics.

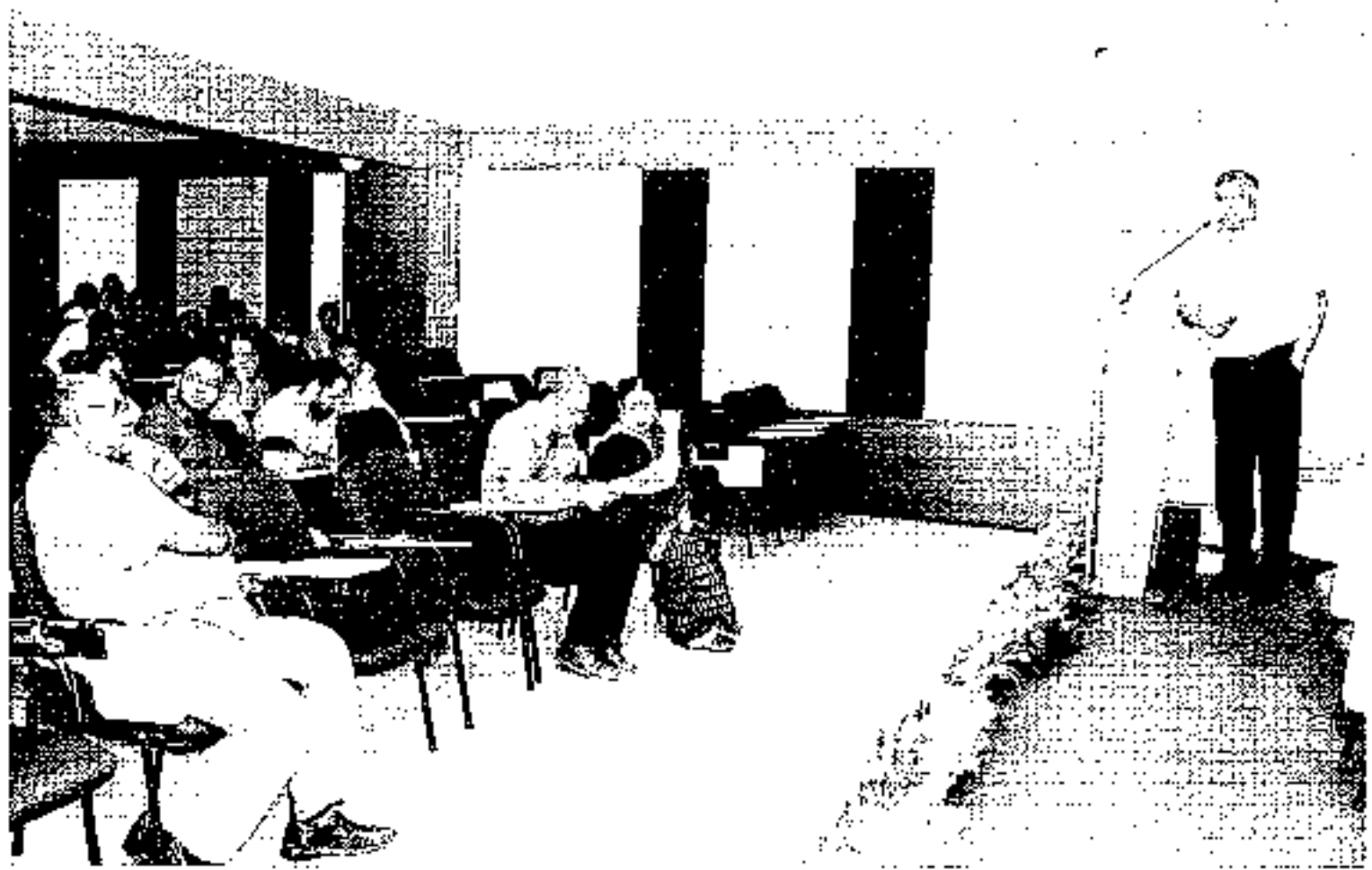
Weakness of the course:

Lot of information.

Strength of the course:

Faculty taught us in a nice manner.
Signature *Halema*

Thank you



Certificate Program in Basic Epidemiology

Student Name List

Sl.No.	Name	Sl.No.	Name
1	RAJKUMAR G H	31	VIDHYA SR R.
2	RAM KUMAR R T	32	ARUNESHWAR S
3	SARAYANA KUMAR S	33	ASHLE ANSARI E
4	S.HAIK MOHAMMED AHAMMAD	34	ASHITA LAKSHMI S
5	SHARMILA J	35	SHALASTIDHARTH S
6	SREERIK DEIVANSEM	36	BARANIRAJA S
7	SHRIRAM KUMAR S P	37	DEEPAKCHANDAN S
8	SREERIVUTHI A T	38	GAYATHRI S
9	SHRUTI HIRAK G	39	GNERDHARAN R
10	SMRITHI A	40	BIJITHARAN P
11	SOWMYA T		
12	SOWMYA N		
13	SRIKATH M		
14	SARASHWARYA J		
15	SURYA NATARAJAN		
16	SUDI BARATEE D		
17	SUMERA KAUSAR R S		
18	SYED AHMAD S		
19	TARIQ IMRAN H		
20	SAKTHI VIGNESH T		
21	TETILOK RAM B		
22	T.A.JP MOHAMMED FASIH MAAZ		
23	VAISHNAVI M		
24	VAIJUV V		
25	VENEKATA MANISHI REDDY MUNDLA		
26	VEDHYAPRIYADARSHINI S		
27	VIGNESH R		
28	YUVASHREE M		
29	GUHASAGARAN L		
30	ASWIN ROJER S G		